APPENDIX A

REFERENCES

Required Publications

Government Publications

Department of Defense

DOD Instruction 6055.11
Protection of DoD Personnel from Exposure to Radiofrequency Radiation
[Cited in paragraph 4-3c(8)]

MIL-STD-188-124B
Grounding, Bonding and Shielding for Common Long Haul/Tactical Communication Systems Including Ground Based Communications-Electronics Facilities and Equipment
[Cited in paragraph 3-3c(2), 3-5c(1)(g), 6-2b(4)(a), 6-4a(3)]

MIL-HDBK-232A
Red/Black Engineering-Installation Guidelines
[Cited in paragraph 4-3e]

MIL-HDBK-419A
Grounding, Bonding, and Shielding for Electronic Equipment and Facilities
[Cited in paragraph 3-2j(8)]

Federal Communications Commission

Office of Engineering and Technology Bulletin 56 (OET-56)
Questions and Answers about Biological Effects and Potential Hazards of Radiofrequency Electromagnetic Fields
[Cited in paragraph 4-3c(9)]

Non-Government Publications

Institute of Electrical and Electronic Engineers (IEEE):
445 Hoes Lane, P. O. Box 1331, Piscataway, NJ 08855-1331

IEEE 80-1986
IEEE Guide for Safety in AC Substation Grounding
[Cited in paragraph 3-3e(9)]

IEEE 81-1983
IEEE Guide for Measuring Earth Resistivity Grounding Impedance and Earth Surface Potentials of Ground Systems (1983)
[Cited in paragraph 3-3e(2)]

IEEE 446-1995
IEEE Recommended Practice for Emergency and Standby Power Systems for Industrial and Commercial Applications (1995)
[Cited in paragraph 2-3c(8)]

IEEE C62.2-1987
Guide for the Application of Gapped Silicon-Carbide Surge Arresters for AC Systems
[Cited in paragraph 3-4d(1)(l)]

IEEE C62.22-1997
Guide for the Application of Metal-Oxide Surge Arresters for AC Systems
[Cited in paragraph 3-4d(1)(l)]

IEEE C62.22.1-1996
Guide for the Connection of Surge Arresters to Protect Insulated, Shielded Electric Power Cable Systems
[Cited in paragraph 3-4d(1)(l)]

IEEE C62.37.1-2000
Guide for the Application of Thyristor Surge Protective Devices
[Cited in paragraph 3-4d(1)(l)]

IEEE C62.42-1992
Guide for the Application of Gas Tube and Air Gap Arrester Low-Voltage (Equal to or Less Than 1000 Vrms or 1200Vdc) Surge Protective Devices
[Cited in paragraph 3-4d(1)(l)]

IEEE C62.43-1999
Guide for the Application of Surge Protectors Used in Low-Voltage (Equal to or Less Than 1000 Vrms or 1200Vdc) Data, Communications, and Signaling Circuits
[Cited in paragraph 3-4d(1)(l)]

IEEE C95.3-1992
Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields – RF and Microwave
[Cited in paragraph 4-3c(9)]

InterNational Electrical Testing Association (NETA)
P.O. Box 687, Morrison, CO 80645
www.netaworld.org

IETA 1 - 1997
Maintenance Testing Specifications for Electric Power Distribution Equipment and Systems
[Cited in paragraphs 3-2j(8), 7-4a, 7-4b, 7-5a, 7-5b, 7-6a, 7-6b, 7-7a, 7-7b, 7-8a, and 7-8b]

National Fire Protection Association (NFPA):
One Batterymarch Park, P. O. Box 9101, Quincy, MA 02269-9101

NFPA 70
National Electrical Code (1999)
[Cited in paragraph 1-1c, 1-2b, 2-3c(7)(a) through (c), 2-4b, 3-3b, 3-3b(8), 3-3c(1), 3-3c(6-8),

3-3c(13)(b), 3-4d(1)(j), 6-2b(6)(e)]

NFPA 780
Standard for the Installation of Lightning Protection Systems (1997)
[Cited in paragraph 1-2b, 3-3c(10), 3-4a(3)]

Underwriters' Laboratories, Inc. (UL):
333 Pfingsten Road, Northbrook, IL 60062-2096

UL 486A
Wire Connectors and Soldering Lugs for Use with Copper Conductors, Ninth Edition (1998)
[Cited in paragraph 3-3d(10)]

UL 486B
Wire Connectors for Use with Aluminum Conductors, Fourth Edition (1997)
[Cited in paragraph 3-3d(10)]

Related Publications

Institute of Electrical and Electronic Engineers (IEEE):
445 Hoes Lane, P. O. Box 1331, Piscataway, NJ 08855-1331

IEEE 142-1991
IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems (1983)

IEEE 1100-1999
IEEE Recommended Practice for Powering and Grounding Electronic Equipment (1999)

IEEE 1159-1995
IEEE Recommended Practice for Monitoring Power Quality (1995)

IEEE C2-1997
National Electrical Safety Code (1997)

Lightning Protection Institute:
3335 N. Arlington Hts. Road, Suite E, Arlington Hts., IL 60004

LPI-175
Installation Code

Underwriters' Laboratories, Inc. (UL):
333 Pfingsten Road, Northbrook, IL 60062-2096

UL 96
Lightning Protection Components, Fourth Edition (2000)

UL 96A
Installation Requirements for Lightning Protection Systems, Tenth Edition (1998)

Prescribed Forms

The following forms are printed in the back of this manual and are also available on the Army Electronic Library (AEL) CD-ROM (EM 0001) and the USAPA web site (www.usapa.army.mil).

DA Form 7452-R
Earth ground electrode subsystem checklist for new facilities
[Cited in paragraph 1-5a and 3-2a]

DA Form 7452-1-R
Ground fault protection subsystem checklist for new facilities
[Cited in paragraph 1-5a and 3-3d]

DA Form 7452-2-R
Lightning protection grounding subsystem checklist for new facilities
[Cited in paragraph 1-5a and 3-4f[

DA Form 7452-3-R
Signal ground reference subsystem checklist for new facilities
[Cited in paragraph 1-5a and 3-5f]

DA Form 7452-4-R
Earth electrode subsystem checklist for existing facilities
[Cited in paragraph 1-5b and 6-1]

DA Form 7452-5-R
Grounding and bonding connection checklist for existing facilities
[Cited in paragraph 1-5b and 6-1]

DA Form 7452-6-R
Lightning protection grounding subsystem checklist for existing facilities
[Cited in paragraph 1-5b and 6-1]

DA Form 7452-7-R
Ground fault protection subsystem checklist for existing facilities
[Cited in paragraph 1-5b and 6-1]

DA Form 7452-8-R
Signal ground reference subsystem checklist for existing facilities
[Cited in paragraph 1-5b and 6-1]

DA Form 7452-9-R
Shielding subsystem checklist for existing facilities
[Cited in paragraph 1-5b and 6-1]